

OSH KOSH® T-1500 AND T-3000 TRUCKS

PERFORMANCE FACTORS

GENERAL

T-1500

Acceleration* (MUI engine) - 0 to 50 mph [80 km/h] in 25 seconds (tire pressure @ 50 PSI [1,345 kPa])
Acceleration* (DDEC engine) - 0 to 50 mph [80 km/h] in 27 seconds (tire pressure @ 50 PSI [1,345 kPa])
Top Speed - 65 mph [105 km/h]
Gradability - Ascend/descend 60% grade
Wheel Motion - Maintains tractive effort with simultaneous diagonally opposite wheel motion of 14 in [356 mm]
Obstacle Climbing Ability - Negotiates an 18 in [457 mm] wall
Side Slope Stability (Static) - Roll over point in excess of 53% grade (28° angle)
Vehicle Clearance Circle - Wall-to-wall 93 ft [28.3 m]
 *On dry, level pavement, based on 50,000 lb [22,676 kg] gross vehicle weight

T-3000

Acceleration* (MUI engine) - 0 to 50 mph [80 km/h] in 35 seconds (tire pressure @ 50 PSI [1,345 kPa])
Acceleration* (DDEC engine) - 0 to 50 mph [80 km/h] in 39 seconds (tire pressure @ 50 PSI [1,345 kPa])
Top Speed - 65 mph [105 km/h]
Gradability - Ascend/descend 60% grade
Wheel Motion - Maintains tractive effort with simultaneous diagonally opposite wheel motion of 14 in [356 mm]
Obstacle Climbing Ability - Negotiates an 18 in [457 mm] wall
Side Slope Stability (Static) - Roll over point in excess of 45% grade (24° angle)
Vehicle Clearance Circle - Wall-to-wall 110 ft [33.6 m]
 *On dry, level pavement, based on 69,000 lb [31,299 kg] gross vehicle weight

CHASSIS

AIR CLEANER

Type - Heavy-duty, dry

AIR SYSTEM

Compressor Capacity - 16.1 cfm [456 lpm] ■ Air dryer

AXLE, FRONT

Type - Single reduction with final reduction in axle bowl
Steering Drive Ends - Enclosed cardan joint
Differential - Bevel gear with driver-selected locking mechanism
Gear Ratio - 4.88:1
Maximum Rated Load on Tires at Ground - 25,000 lb [11,340 kg]
Track - 86 in [2,184 mm]

Type - Single reduction with final reduction in axle bowl
Steering Drive Ends - Enclosed cardan joint
Differential - Bevel gear with driver-selected locking mechanism
Gear Ratio - 4.56:1
Maximum Rated Load on Tires at Ground - 25,000 lb [11,340 kg]
Track - 86 in [2,184 mm]

AXLE, REAR

Type - Single reduction with final reduction in axle bowl
Differentials - Bevel gear with driver-selected locking mechanism
Gear Ratio - 4.88:1
Maximum Rated Load on Tires at Ground - 25,000 lb [11,340 kg]
Track - 86 in [2,184 mm]

Type - Single reduction with final reduction in axle bowl
Differentials - Bevel gear with driver-selected locking mechanisms (including the inter-axle differential)
Gear Ratio - 4.56:1
Maximum Rated Load on Tires at Ground - 50,000 lb [22,676 kg]
Track - 86 in [2,184 mm]
Bogie Wheelbase - 60 in [1,524 mm]

BRAKES, EMERGENCY

Type - Spring brakes
Location - Rear axle

Type - Spring brakes
Location - Rear tandem axle

BRAKES, SERVICE

Type - Internal shoe
Size -
 Front - 16.1 x 7.1 in [410 x 180 mm] wedge
 Rear - 16.5 x 7 in [419 x 178 mm] S-cam
System - Air/mechanical, split type

CAB

Seating - Two seats with left of center driver seat location, 3-point seat belts
Doors - One each side
Windshield and Windows - Tinted safety glass
Windshield Wipers - Electric, multi-speed

COOLING SYSTEM

Radiator Core - Fin and tube type
Frontal Area - 1,849 in² [11,929 cm²]
Radiator Construction - Top and bottom tanks and side members are bolted together to form a rigid frame surrounding the radiator core. Heat exchanger for converter is tube and shell type, integral with radiator bottom tank.
Fan - Pusher type with clutch

T-1500**T-3000****ELECTRICAL SYSTEM**

Alternator - 160 amp
Lighting - 12 volt
Starting - 12 volt
Battery - Two 12 volt, 1,000 CCA each

EMERGENCY WARNING DEVICES

100 watt electronic siren ■ Two warning beacons ■ Dual air horns ■ Electronic reverse alarm

ENGINE, DDEC

Make and Type - Detroit Diesel, 8V92TA, DDEC-III, two cycle
Bore - 4.84 in [123 mm]
Stroke - 5.0 in [127 mm]
Displacement - 736 in³ [12.07 L]
Horsepower - 585 bhp (436 kW) @ 2,300 rpm
Peak Torque - 1,594 ft-lb [2,161 N•m] @ 1,400 rpm

ENGINE, MUI*

Make and Type - Detroit Diesel, 8V92TA, 8V, two cycle
Bore - 4.84 in [123 mm]
Stroke - 5.0 in [127 mm]
Displacement - 736 in³ [12.07 L]
Horsepower - 575 bhp (429 kW) @ 2,300 rpm
Peak Torque - 1,594 ft-lb [2,161 N•m] @ 1,400 rpm
 *Available for export customers only

FRAME

Material - Carbon manganese steel, heat-treated
Type - Formed channel with L-wrapper
Size -
Main Rail - 11.63 x 3 x .38 in [295 x 76 x 9.5 mm]
L-Wrapper - 11.00 x 2.75 x .25 in [279 x 70 x 6.4 mm]
Yield Strength - 123,900 PSI [854 MPa] average, 110,000 PSI [758 MPa] minimum - main rail
Section Modulus - 27.1 in³ [494 cm³] per rail
RBM - 2,981,000 in-lb [336 790 N•m] per rail
Construction - Bolted

Material - Carbon manganese steel, heat-treated
Type - Formed channel with L-wrapper
Size -
Main Rail - 11.63 x 3 x .38 in [295 x 76 x 9.5 mm]
C-Wrapper - 12.38 x 3.88 x .38 in [314 x 98 x 9.5 mm]
Yield Strength - 123,900 PSI [854 MPa] average, 110,000 PSI [758 MPa] minimum
Section Modulus - 40.3 in³ [660 cm³] per rail
RBM - 4,433,000 in-lb [500 836 N•m] per rail
Construction - Bolted

FUEL SYSTEM

Fuel Tank - 67 gal [254 L]

LIGHTING

Clearance and marker lights ■ Cab interior lights ■ Compartment lights ■ Four sealed-beam halogen headlights ■ Identification lights ■ Stop and tail lights ■ Backup lights ■ Turn signals ■ Warning indicator lamp test circuit

Clearance and intermediate side marker lights ■ Cab interior lights ■ Compartment lights ■ Four sealed-beam halogen headlights ■ Identification lights ■ Stop and tail lights ■ Backup lights ■ Turn signals ■ Warning indicator lamp test circuit

STEERING SYSTEM

Type - TRW integral power assisted

SUSPENSION

Front and Rear Type - Taper leaf spring
Shock Absorbers - All wheels

Front Type - Taper leaf spring
Rear Type - Leaf spring with load equalizing beam
Shock Absorbers - All wheels

TIRES

Type - Tubeless radial
Size - 24 R21
Tread - Michelin® XZL

TRANSFER CASE

Type - Independently mounted and equipped with torque proportioning differential with driver-selected locking mechanism
Speed - Single
Gear Ratio - 1.19:1

Type - Independently mounted and equipped with torque proportioning differential with driver-selected locking mechanism
Speed - Single
Gear Ratio - 1.3:1

**TRANSMISSION WITH
TORQUE CONVERTER****T-1500****ALLISON HT-750DR (AUTOMATIC)
5 FORWARD, 1 REVERSE**

5th	1.00:1
4th	1.38:1
3rd	2.02:1
2nd	3.19:1
1st	7.97:1
rev	4.72:1

T-3000**WHEELS**

Type - Steel disc (interchangeable)
Size - 21.00 x 18.00 in

WEIGHTS

	LOADED*	LESS EXPEND- ABLE AGENT
Front GAW (lb)	21,900 [9,932 kg]	13,000 [5,896 kg]
Rear GAW (lb)	23,300 [10,567 kg]	16,400 [7,438 kg]
Total (lb)	45,200 [20,499 kg]	29,400 [13,333 kg]

*With full tanks of fuel, water, foam and 500 lb
[227 kg] crew allowance and standard equipment

	LOADED*	LESS EXPEND- ABLE AGENT
Front GAW (lb)	22,750 [10,045 kg]	13,050 [5,918 kg]
Rear GAW (lb)	44,400 [20,137 kg]	23,500 [10,658 kg]
Total (lb)	66,550 [30,182 kg]	36,550 [16,576 kg]

*With full tanks of fuel, water, foam and 500 lb
[227 kg] crew allowance and standard equipment

FIRE SYSTEM SPECS**FLUSHING SYSTEM**

Standard

**HANDLINE
(FOAM/WATER)**

Two preconnect type ■ One each side ■ 150 ft [46 m] of 1.75 in [44 mm] ID hose ■ 125 gpm [473 lpm] pistol grip non-aspirating nozzle with infinitely variable pattern from straight stream to fully dispersed

PIPING

Constructed of corrosion resistant materials with mechanical groove couplings

PROPORTIONING SYSTEM

Around the pump, preset to either 3% or 6%

PUMP, WATER

Single stage centrifugal ■ 1,520 gpm @ 230 PSI [5,753 lpm @ 1,587 kPa] ■ Drive - power divider PTO with disconnect clutch

Single stage centrifugal ■ 1,950 gpm @ 225 PSI [7,570 lpm @ 1,552 kPa] ■ Drive - power divider PTO with disconnect clutch

TANK, FOAM

210 gal [795 L] rated capacity ■ Polypropylene construction ■ Top fill opening adequate for two 5 gal [18.9 L] containers ■ One 1.5 in [38 mm] NSFHT female fill/drain connection (left side)

420 gal [1,590 L] rated capacity ■ Polypropylene construction ■ Top fill opening adequate for two 5 gal [18.9 L] containers ■ One 1.5 in [38 mm] NSFHT female fill/drain connection (left side)

TANK, WATER

1,500 gal [5,678 L] rated capacity ■ Polypropylene construction ■ Top fill opening - 23 in [584 mm] with 2.5 in [64 mm] hose holder ■ Side fill connections - two 2.5 in [64 mm] NSFHT female (one each side)

3,000 gal [11,356 L] rated capacity ■ Polypropylene construction ■ Top fill opening - 23 in [584 mm] with 2.5 in [64 mm] hose holder ■ Side fill connections - two 2.5 in [64 mm] NSFHT female (one each side), two 4.5 in [114 mm] NSFHT male (one each side)

TURRET, BUMPER

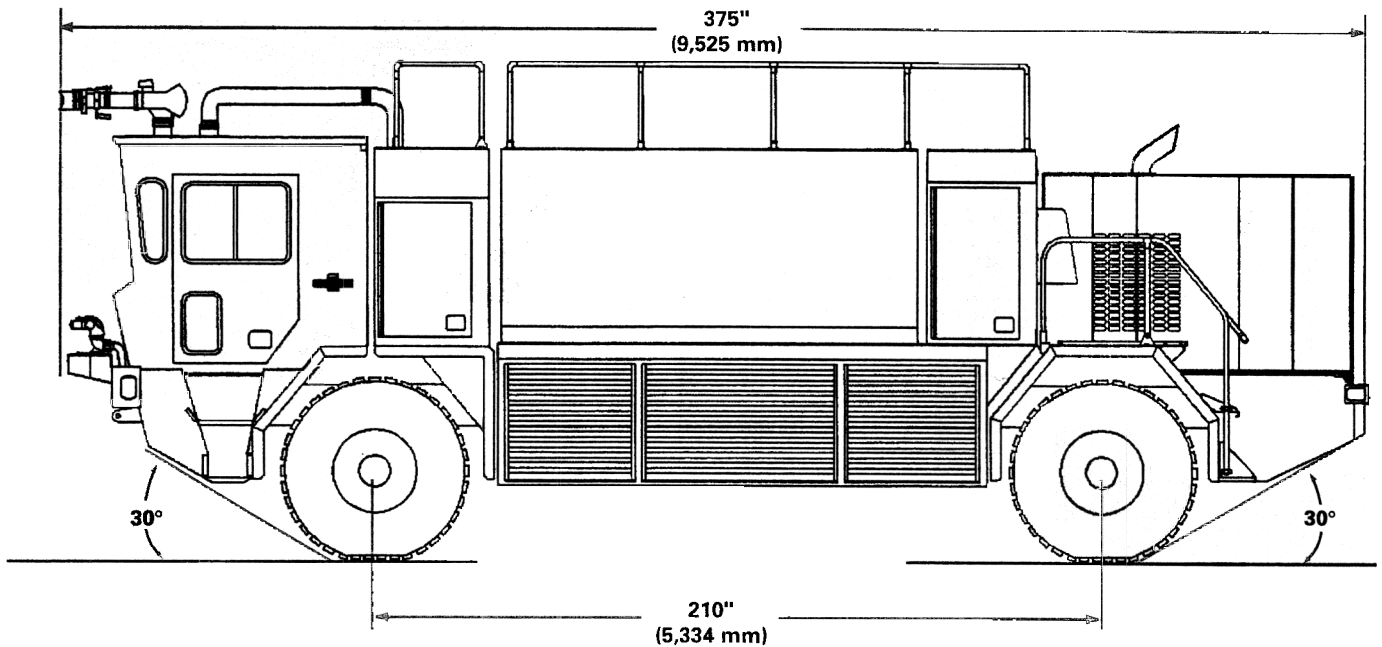
Non-aspirating type ■ Fixed oscillation ■ Joystick controlled from inside cab ■ 300 gpm [1,132 lpm] ■ Infinitely variable from straight stream to dispersed

TURRET, ROOF

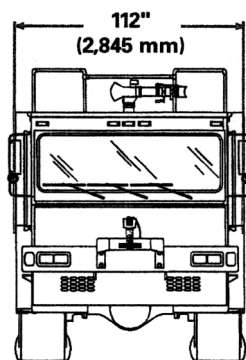
Non-aspirating type ■ Manual control inside cab ■ 375/750 gpm [1,419/2,838 lpm] discharge rate ■ Infinitely variable pattern from straight stream to fully dispersed

Non-aspirating type ■ Manual control inside cab ■ 600/1,200 gpm [2,271/4,542 lpm] discharge rate ■ Infinitely variable pattern from straight stream to fully dispersed

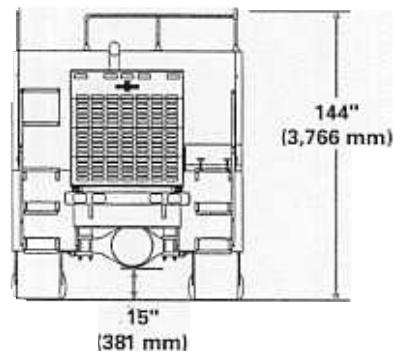
OSHKOSH® T-1500
AIRCRAFT RESCUE & FIREFIGHTING VEHICLE
1,500 GALLON WATER TANK (5,678 LITERS)
210 GALLON FOAM TANK (795 LITERS)



FRONT



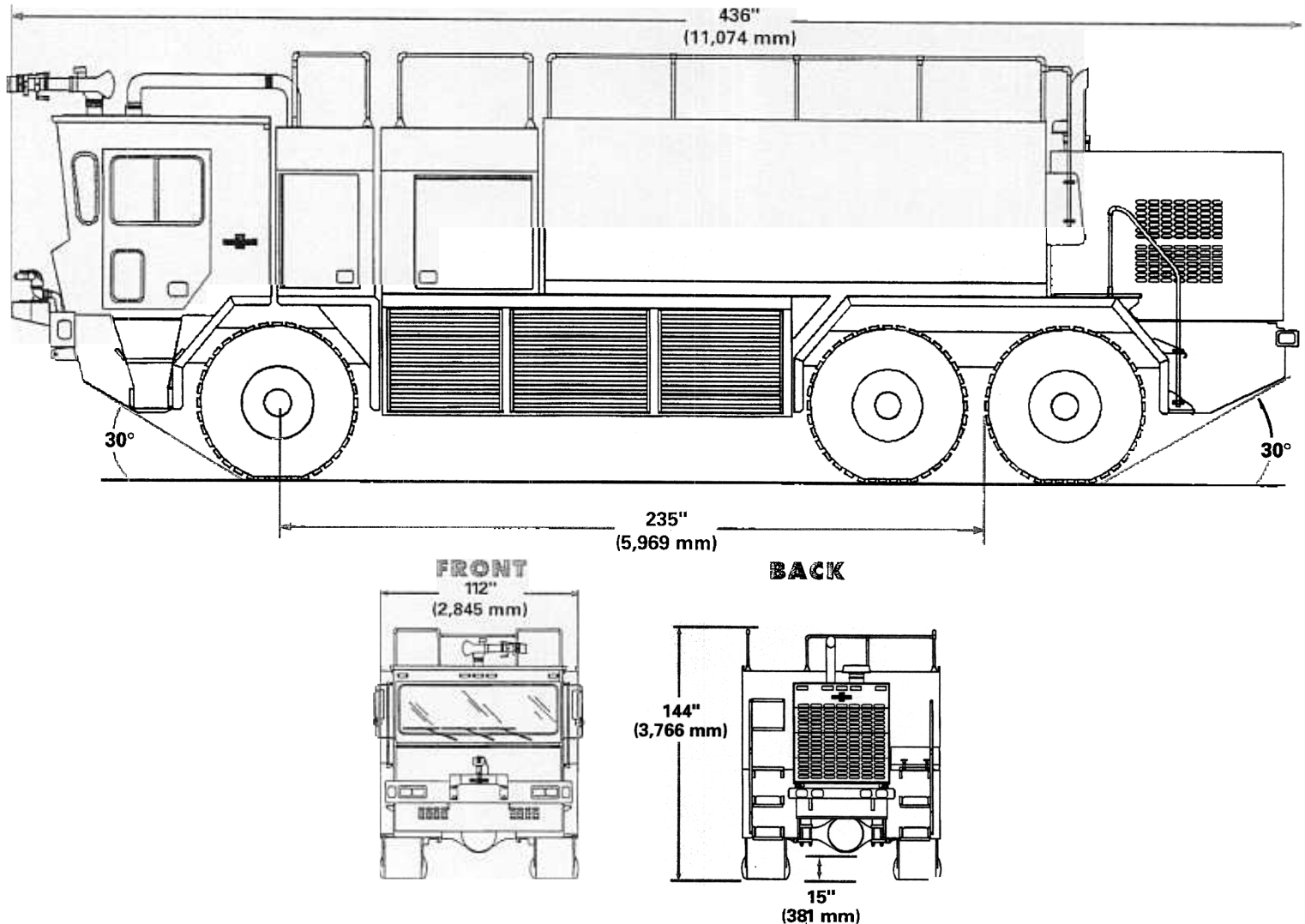
BACK



**MAJOR T-SERIES
 OPTIONS**

All-wheel anti-lock braking system ■ Winterization system to -40°F ■ Generator/auxiliary lighting
 ■ Dry chemical system ■ Halotron™ I system ■ Structural firefighting system ■ Foam/water
 hosereel(s) ■ Undertruck nozzles ■ RHINO™ low-attack, high-performance bumper turret ■
 Power-assist roof turrets ■ Fixed groundsweep ■ Air conditioning ■ Three- or four-person seating

OSHKOSH® T-3000
AIRCRAFT RESCUE & FIREFIGHTING VEHICLE
3,000 GALLON WATER TANK (11,356 LITERS)
420 GALLON FOAM TANK (1,590 LITERS)



**MAJOR T-SERIES
 OPTIONS**

All-wheel anti-lock braking system ■ Winterization system to -40°F ■ Generator/auxiliary lighting ■ Dry chemical system ■ Halotron™ I system ■ Structural firefighting system ■ Foam/water hosereel(s) ■ Undertruck nozzles ■ RHINO™ low-attack, high-performance bumper turret ■ Power-assist roof turrets ■ Fixed groundsweep ■ Air conditioning ■ Three- or four-person seating

For reference only. The addition of options will change the listed standard dimensions and weights in some cases. For certified dimensions and weights, consult Oshkosh Truck Corporation. Specifications, descriptions and illustrations in this literature are as accurate as known at the time of publication but are subject to change without notice. Ratings are general guidelines. Actual ratings vary with application and duty cycle. Illustrations may include optional equipment and accessories but may not include all standard equipment. Consult Oshkosh Truck Corporation for additional information.



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